#### RECENTLY PATENTED INVENTIONS. Electrical Devices.

SPEED-INDICATOR .- G. IHLE, 4 Alexandrinenstrasse, Berlin, Germany. The object of | members rotating around the same axis. The indicating member, which is connected in the usual manner with the indicating mechanism, consists of a hollow body and is inclosed upon the greater part of its periphery by the rotated magnet system, an iron core which rotates with the system of magnets extending into this hollow indicating member. This makes it possible to employ a system of magnets forming a considerable mass as it is driven, while the hollow indicating member may be of exceedingly small mass.

### Of Interest to Farmers.

ALARM.-H. IRWIN, Fern Hill, Hawkes Bay, New Zealand. The invention relates to alarms, and more particularly to those object is to provide an efficient apparatus by with automatic means for manipulating a pulwhich a series of explosions may be produced at definite intervals for the purpose of fright-ening birds or animals away from trees, crops, and the like.

BEET-CULTIVATOR .- O. SORENSON, FOWler. Col. This implement may be conveniently New York, N. Y. The ornamental effect seattached to a sulky. To the axle draw-bars cured by this designer is made neat and are attached, which extend rearwardly and carry handles. The rear end of these bars is made by a heart shaped medal containing are formed into forks to which brackets are pivotally attached, the latter formed integral with special saddle-plates. Opposite these plates are two saddle-plates, and these are connected by special bolts with the first named plates, affording means for clamping the forward beam. As the implement passes once across a field it cultivates two or the equivalent of two rows.

FEEDING DEVICE FOR POULTRY.—H. P. NOTTAGE, Goshen, Mass. In use the feed gravitates, and the finer particles are precipitated from the three compartments of the box through the meshes of the screen which covers the opening leading from one to another compartment therefor in the trough. Poultry picking at the feed through the screen which will be possible to be loosened up so as to be concauses it to be loosened up so as to be continuously supplied to the several compartments of the trough. The openings permit poultry to project their bills so as to pick feed from out of the compartments and by the presence of the screen wires or bars, they cannot throw or scatter feed in any attempt to throw their bills from one side or the other.

# Of General Interest.

ADJUSTING DEVICE FOR PRINTING-BLOCKS. - W. H. WALDRON, New Brunswick, J. Printing-blocks with which linoleumprinting machines are supplied are of considerable length, and apt to bend, so that parts of the printing-surface are impressed with too much force upon the fabric and other parts are either impressed too lightly or do not print. The object in this case is to provide means for adjusting the printing-block so that the several parts thereof can be forced outwardly or inwardly in order to overcome defects due to bending and to present an even printing-surface.

AUTOMATIC FEED DEVICE. - E. J ERICSSON, San Francisco, Cal. The invention relates to water distribution: and its object is to provide a new and improved automatic feed device for supplying water to flush-tanks, leader-traps, surface drains, and similar contrivances, and the water-supply of which is not sufficiently regular to maintain a permanent seal, as required by modern sanitary plumbing.

BOBBIN.—C. C. Cost, Bismarck, N. D. One of the principal objects of the inventor is to provide a bobbin by the use of which the necessity of unwinding the same is obviated, thereby dispensing with the use of balling-machines, as well as labor attendant thereupon. A further object is to provide a bobbin by the use of which the twine may in the first instance (as it is soun or manufactured from the fiber) be wound directly into form for

### Household Utilities.

Salt Lake City, Utah. Closet-tanks as now; for weight clocks. constructed consist of several parts, some times containing as many as thirty or more. There are many chances of their getting out of order, and when the float is broken or fails to work they are likely to overflow, thus causing damage. On account of the large number of parts the cost of manufacture is high, as well as cost of maintenance. The washers frequently leak and have to be replaced. This invention is for the purpose of simplifying, cheapening and otherwise improving devices of this character.

SCRUBBING DEVICE.-H. E. H. ARMANN. Gardar, N. D. The invention pertains to a device for brushing and scrubbing. It is especially applicable for use upon floors, but is not strictly limited thereto. The invention comprises a brush, a mop, means for apply-Ing water to the mop and to the floor, and means for wringing the mop.

#### Machines and Mechanical Devices.

MACHINE FOR PRINTING AND ISSUING RAILWAY-TICKETS .- R. T. PISCICELLI, Piazza della Borsa, No. 22, Naples, Italy. Tickets this inventor is to make an improvement in printed may be either for predetermined or speed-indicators with magnets and indicating other stations. The machine prints: the name members rotating around the same axis. The ticket is issued; the date of issue; the number; the class and kind of tickets; the price; the number of the train; and information, advertisements, etc., on the back. While issuing a ticket, it adds money received; adds the number of each kind of ticket (single, return, express, or ordinary trains, &c.) issued; adds total number of tickets issued; and prints on a continuous paper ribbon a duplicate of matter printed on each ticket.

HOISTING AND CONVEYING APPARA-TUS .-- C. J. HORGEN, New York, N. Y. This patentee's invention relates to a device for hoisting and conveying purposes in general, and is especially applicable to loading and unleading ships. It comprises a cable or similar flexible element placed on an incline and a carriage mounted on the cable and adapted adapted to serve as scarecrows. Its principal to move along it, the carriage being provided ley to assist in the several operations of loading and unloading.

### Designs.

DESIGN FOR A ROSARY.-H. F. NEHR, The junction of the loop and pendant chaste. a head of Christ. A plain and well proportioned crucifix is at the usual end of the

Note.-Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

# Business and Personal Wants.

READ THIS COLUMN CAREFULLY .- You will

Marine Iron Works. Chicago. Catalogue free. Inquiry No. 8006.—For manufacturers of novelties and specialties.

For hoisting engines. J. S. Mundy, Newark, N. J. Inquiry No. 8007.—For manufacturers of street cleaning or street sweeping machines.

"U. S." Metal Polish. Indianapolis. Samples free. Inquiry No. 8008.—For manufacturers of com-

I sell patents. To buy, or baving one to sell, write Chas. A. Scott, 719 Mutual Life Building, Buffalo, N. Y.

Inquiry No. 5009.—Wanted, address of any com-pany which treats on the subject of "Expanded Metal" and also address of some gas-producing company whose outfit would not exceed four or five thousand dollars.

1 have for sale the U.S. and all foreign rights of new natent Improvements in Water Tube Types of Boilers, Freat economizer. J. M. Colman, Everett, Wash.

Inquiry No. 8010.-For manufacturers of egg

PATENTS.-European Rights. I want sole agency for Europe for good-selling patents, or might buy rights. James R. Moodie, 73 Inverleith Row, Edinb'gh, Scotl'd Inquiry No. 8011. Wanted, address of parties who histall galvanizing plants.

Well gotten up typewritten letters will increase your business. \$2 per 1.000.

Typewritten Letter Co., St. Louis. Inquiry No. 8012.—For manufacturers of machines for scoring scale on rulers.

The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Machine Company. Foot of East 138th Street, New York

Manufacturers of patent articles, dies, metal [See note at end of list about copies of these patents.]

Inquiry No. 8022.—For manufacturers of decorticating machines for jute fiber.

Inquiry No. S023.—Wanted, manufacturers to make connecting fittings for wagon tongs and neck yokes consisting of castings and ball bearing pivot.

Inquiry No. S024.—For manufacturers of a machine for rolling and gluing paper funnels or cornucopias.



#### INDEX OF INVENTIONS

inquiry No. 8013.—For manufacturers of bench AND EACH BEARING THAT DATE plane handles and stocks.

Manufacturers of patent articles, dies, metal stamping, screw machine work, hardware specialties, machinery tools, and wood fiber products. Quadriga Manufacturing Company, 18 South Canal St., Chicago.

Inquiry No. S014.—For manufacturers of street sweepers.

FOR SALE.—One Shafer Hydraulic Platen Press, 60 trons pressure, 18 inches platen with a 12-inch movement of ram: complete, with pump belt drive, lock-up pressure and safety valve. Vacuo-Static Carbon Co., Mill and Platt Sts., Rochester, N. Y.

Inquiry No. S015.—For manufacturers of fire extingulshers.

FOR SALE.—At Taunton, Mass., patterns, patents, drawings; 4 to 25 horse-power gas or oil engines. Ten years test. Can furmsh sample. Hadwen Swain Mfg. Co., 505 Sacramento St., San Francisco., Cal.

Inquiry No. S016.—For manufacturers of chains for weight clocks.

FOR SALE.—Patent rights for United States on three illustrated post card novelties. If interested sens 500 for samples. W. Becker, Jeffersonville, N. Y.

Inquiry No. S017.—Wanted, address of parties who can give the most modern method of condensing or extracting water from sweet skimmed milk.

Inquiry No. S018.—Wanted, address of parties who can give the most modern method of condensing or extracting water from sweet skimmed milk.

Inquiry No. S019.—For manufacturers of machinery and apparatus for the manufacturers of making Brandt's kerosene pumps, tin piereitng and pines, lining working, N. C. S018.—Wanted, address of parties who can give the most modern method of condensing or extracting water from sweet skimmed milk.

Inquiry No. S019.—For manufacturers of machinery and apparatus for the manufacturers of machinery and apparatus for the manufacturers of machinery and apparatus for the manufacturers of making Brandt's kerosene pumps, tin piereitng fundary normalization of the product of the product of the produced plants and pines in piereitng with weight-controlled lubricant, M. Kemmerich.

Inquiry No. S022.—For manufacturers of decording and pines for jute fiber.

Inquiry No. S022.—For manufactur

C	American		313
. ~		Bering teel, reamer, and the like, T. Burns Bettle, J. C. Andersen	817,042 817,033
IG Pi-		Bottle capping machine, S. C. Miller	817,129
ets or	1 / 1000 / TEST	Bettle, non-refillable, G. Kerr Bettle, non-refillable, A. G. Abizaid Bettle, non-refillable, W. S. Freel Bottle, non-refillable, W. P. Swettle, non-refill	816,699 816,789 816,829
ne ch	and Queries.	Bottle, non-refillable, O. E. S. Azzoni  Bottle socket, H. F. Haviland  Bottle stopper, H. O. Brawner	811,034
m- e;	Names and Address must accompany all letters or no attention will be paid thereto. This is for	Bettle washing device, H. H. Poggensee Bettle washing machine, P. D. Laible	816,818 816,920
ng	eur infermation and not for publication.  References to former articles or answers should give	Bridle bit cheek piece, N. Stalker	816,720 816,615 817,145
he n,	date of paper and page or number of question. Inquiries not answered in reasonable time should be repeated; correspondents will bear in mind that	Brooder, C. A. Tuck Brush, I. C. Isaacs	817,021 817,117
ds on	some answers require not a little research, and, though we endeavor to reply to all either by	Brush holder, C. A. Harris.  Bucket, dumping, A. Henderson  Buckle, S. M. Holt.	816,793 816,579 817,065
ıt-	his turn.  Buyers wishing to purchase any article not adver-	Butter into smaller blocks of predetermined sizes, means for cutting up large blocks	
A- is	tised in our columns will be furnished with addresses of houses manufacturing or carrying the same.	of, T. H. H. Widdicombe	
or ti,	Special Written Information on matters of personal rather than general interest cannot be expected without remuneration.	Cable grip for cable hauled trucks and the like, Ellingen & Doehle	817,053 816,721
nd n-	Scientific American Supplements referred to may be had at the office. Price 10 cents each.	Cable splicing socket, J. L. Frazier. Calculating machine, S. E. Swick. Calking toel, R. J. Webster. Camera, photographic, J. D. Garfield.	816,952 816,907
ed ed	Books referred to promptly supplied on receipt of price.  Minerals sent for examination should be distinctly	Camera, photographic, J. D. Garfield Cans, screw cap for, F. A. Bergman Cape carriers, feeder for sugar, L. M. Dill. Capsule spinning, trimming, and stacking	816,971
ıl-	marked or labeled.	Capsule spinning, trimming, and stacking machine, E. Watzke Car attachment, railway, S. Constable Car brake, bearnless, G. W. Swisher Car coupling, J. Darling	817,103 816,617 816,565
_	(9941) A. J. C. asks how to polish German silver. A. Take 1 pound peroxide of	Car coupling, J. E. Wade	816,711
n	iron, pure, and put half of it into a wash basin, pouring on water, and keeping it stirred	Car coupling, F. A. Ramey Car coupling, W. E. McDonald Car coupling and drawhead, A. W. Lewis. Car coupling, automatic, C. R. Salmen	817,088 817,077 817,095
R, e- id	until the basin is nearly full. While the water and crocus are in slow motion, pour off, leav-	Car door, box, F. A. Delano	816,651 817,015
nt ng	ing grit at the bottom. Repeat this a second time, pouring off into another basin. Cleanse	Car dump, H. M. Ramseur	816,873
r- 1e	out grit, and do the same with the other half. When the second lot is poured off, the crocus	for controlling the passage of, L. H. Thullen	816,762
111	in the first will have settled to the bottom; pour off the water gently, take out the powder,	H. C. Doman	
h.	dry it, and put both when washed clear of grit, and dried, into a bex into which dust can-	Carrier. See Hay carrier. Cart, J. A. Watt Casket handle and socket plate, J. C. Ed-	816,627
_	not get. If the silver work is very dirty, rub the mixture of powder and oil on with the	Castings, forming, W. Self. Castings, forming, W. Briuton Cement block making machine, E. & J.	816,653 816,944 816,709
	fingers, and then it will be known if any grit is on the work. If the work is not very black,	Gement block making machine, E. & J Silva Cement burning furnace, W. E. Snyder Cements, manufacture of acid proof and impropersory.  Libbel roisens	816,613 816,753
	take a piece of soft chamois leather, and rub some dry crocus on, and when well rubbed,		
al at	shake out the leather, and let the powder fall off that is not used, or rub it off with a brush.	Cheese cutting machine, J. W. Culmer Chisel, carpenter's, W. S. Ward Check, meering and tewing, N. L. Skene Chronograwh, wildergram, & Mond	816,626 816,827 816,767
n n e	Do not put down the leather in the dust. (9942) P. E. M. asks how to remedy	Chronograph, Wildermann & Mond. Churn, J. C. McCollum Churn, J. C. McCollum Churn, F. L. Decker	816,732 816,992 817,049
	a warped pole. A. Wet the concave side, and then hold the convex side to the fire.	Churn, F. L. Decker Churning machine, H. L. Van Dusen Cigar container, S. C. Marum Cigar cutter, N. Du Brul Clasp, H. Watson Clay cleaning apparatus, A. Sabroe. Clack A. W. Obrea	816,621 816,673 816,569
.1-	(9943) J. V. B. says: Is it a scientific fact that when a fluid issues from an	Clasp, H. Watson	817,024 816,747 817,147
•	orifice, a rectangular aperture for example, the flow, which just after issuing is rectangu-	Clack electric programme A. L. Ronell	816,903 816,938 816,664
et	lar in section like the hole, twists about so that a short distance from the orifice the section is	Clethes line, C. C. Jehnsen. Clever huller, W. C. Rebby. Clutch, G. E. Franquist. Ceal pecket, Heever & Masen.	816,823 816,906 816,797
n-	a rectangle having its corresponding sides at right angles to those of the hole? A. It is	Cock, stop and waste, G. P. Hillen Coin controlled apparatus, M. F. Price	816,795 816,936
te	a fact that a fluid, issuing from a rectangular	Collar, mneumatic horse, I. J. Thomsen	816,761
r.  n.  i";	scribe. This is due to the fact that fluid rushing through the corners of the rectangular	Hooper Coloring or painting composition, R. W. Cornelison	816,660 816.648
se į	orifice tends to flatten out after leaving the orifice, while that part of the fluid coming	Colter, J. Moeller	817,083 816,618 816,602
8.	through at the sides tends to bulge, thus giving the effect of apparently twisting in the flow.	Controller, T. von Zweigbergk	817,031 817,115
g	We have no Supplement articles with regard to this matter, and we know of no published	O. E. Bray	816,897 816,910 816,967
or s.	data on the subject.	Collars, metallic reinforce for harness, J. C. Hooper Coloring or painting composition, R. W. Cornelisen Cornelisen Compass, mariner's, Thomson & Clark. Condenser, H. C. Ruggles. Controller, T. von Zweigbergk. Conveyer, R. C. Hills. Conveyer pipes, distributing nozzle for, O. E. Bray. Conveying apparatus, A. & J. M. Hall. Core even, A. B. Day. Cornice brake, G. C. Keene. Cotten blocker, F. M. Braaley. Cover, removable dust protective, L. J. Dirand	816,917 816,638
i .	INDEX OF INVENTIONS	Dirand Crate, folding, W. H. Kelchner Culinary vessel attachment, C. M. Wasley.	816,568 816,801 816,892
ır	For which Letters Patent of the	Crate, folding, W. H. Kelchner Culinary vessel attachment, C. M. Wasley. Cultivator, W. Sobey Cultivator and planter, convertible, H. War- field	817,012 816,693
1-	United States were Issued	A C Lindsrop	216 262
11	for the Week Ending	Curtain pole, J. T. Ezzell.  Curtain pole, bracket, and window shade bolder, combined, J. H. Seegers.  Cuspider, E. T. Willheit.  Cuspider, car. E. Metzger.  Cutter head for shapers, C. Backman.	816,684 817,029
y.∤ 	April 3, 1906.	Cutter head for shapers, C. Backman Cutting headings, machine for, W. A. Lath-	816,953
h' ali	AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]	Cutting machine, W. C. Quinlen  Damper for stovepipes, flues, etc., H. W. Conway	817,000 816,719
s,		Dontal centeur plions N H Smith	817,139 816,828 817,050
	Acid, making sulfuric, R. Knietsch	Dental instrument for raising parts upon wires, L. S. Lourie	816,668
	Aerial cables, suspending, L. A. McNeil 816,991 Air currents, means for producing, B. A.	Derrick, McClain & McDaniel	816,590
p	Air ship, dirigible, A. Bratschie	Detector bar clip, J. S. Hobson	81 <b>7,</b> 09 <b>7</b> 81 <b>7,</b> 120
[]	Air to electric discharges, apparatus for subjecting, Mitchell & Parks	Stevenson	816,822 816,598 817,055
s,	Ancher, Geerge & Smith         816,857           Ancher, guy, C. J. Widmer         816,631           Ancher, land. W. E. Cissna         817,044	Deer, gaite, and the like spring, G. M. Bett Deer, grain, J. Riley	816 556
n	Animal trap, C. F. Nelson.       816,814         Anticreeper, C. Lien.       816,926         Apparel pad. H. W. Thompson.       817,020	Door opener and closer, fluid pressure, A. M. Spink  Downdraft kiln, G. E. Snowden	817,014 816,752
:  s	Ammonia, preducing, Lyens & Breadwell.         816,928*           Ammonia vaperizer, J. Rebsen.         816,743           Ancher, Geerge & Smith.         816,857*           Ancher, guy, C. J. Widmer.         816,631*           Ancher, land, W. E. Cissna         817,044           Animal trap, C. F. Nelson.         816,814           Anticreeper, C. Lien.         816,926*           Apparel pad, H. W. Thempsen.         817,020           Atemizer, I. Q. Gurnee.         816,656*           Automobile horns, means for blewing, G. W. Lerimer.         817,125*	Spink Spink kiln, G. E. Snewden. Draft equalizer, Parks & Day. Drawer stop, C. T. & H. Garden. Dredger and bed rock cleaner, P. Bouery.	816,816 816,574 816,958
e;	Automobile wheel, C. B. Kimball. 816,666 Barber's appliance, G. W. Hale. 817,111 Barrel forming device, I. H. Melvin. 816,872 Barrels and pipes, lining working, N. C. Stoner. 816,890 Bath spray, A. N. Lattin. 816,924 Battery See Steware heattery.	Drill. See Miner's drill. Eaves trough hanger, A. E. Scherer Electric elevator system, A. Magnuson	816,941 816,869
s	Barrels and pipes, lining werking, N. C.         Stener         816,890           Bath spray, A. N. Lattin         816,924	Electric furnace, A. G. Betts Electric light fitting, H. E. Plass Electric meter, R. C. Lanphier	$816,554 \\ 816,996 \\ 816,922$
g	Battery. See Størage battery.  Bayonet fixing arrangement, A. Berthier 816,954 Bearing, ball, F. Løeffler 817,124 Bearing lubricator, slide, W. L. & F. S.	Electric er signal wires, cress-arm fer, A. H. Illehan  Electric traction elevater, A. Ma nuson	816,981 816,806
đ	Bearing lubricator, slide, W. L. & F. S. Carel 816,778 Bearing, reller, W. Houldsworth 816,798	A. H. Hishan Electric traction elevator, A. Ma nuson Electric transways working upon the slot conduit system, point or switch for, A. N. Connett	816,647
	Card         816,778           Bearing, roller, W. Houldsworth         816,778           Bearing with weight-controlled lubricant,         M. Kemmerich         817,118           Bed, tilting or wall, J. B. Eastman         816,718	Electric transmission pole, J. L. Weller Electric waves, apparatus for producing, A. Artom	816,628 817,137
s	Beds, folding seat for metal, M. Faas. 816,974 Bench stop, Prahl & Kistner. 816,999 Binder, W. G. Jones. 816,915 Binder, leose leaf, S. C. Nett. 816,734 Blankets, rugs, and similar coverings in posi-	Electric wire conduit, D. H. Murphy Elevator, T. E. Murray	817.086
à	Binder, loose leaf, S. C. Nott	Engine igniter, internal combustion, A. R. Curtis  Engine sparking igniter, gasoline, J. C. Mc-	817,104
			816,990 816,700
0 <b>k</b>	Beat, meter, C. H. Spence	ing mechanism for, Ferris & Bager Exercising machine, R. W. Blaisdell Explosive compound, M. S. Talbot	816,573 816,957 816,830
1-	Buley 816,710 Block signal system, automatic, A. L. Bower 817,036 Blotter or blotting pad, H. Krandt. 817,036 Boat, motor, C. H. Spence. 816,735 Boat, submarine, M. Naletoff. 817,130 Bolts and retracing the threads thereon, tool for straightening, J. D. Edmonds. 816,570 Boot calk, C. Pfeiffer. 817,090 Boring machine, taper, A. Fernandez. 816,854	Extension table, C. H. Goller	816,791 816,766 816,837
	,		